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Introducing  
**Object-Oriented  
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with the **UML**  
and Design Patterns

- APPLICATIONS/APPLETS
- SWING GUI/EVENT HANDLING
- INTERNET/WORLD WIDE WEB
- CLASSES/OBJECTS/INTERFACES
- ENCAPSULATION/INNER CLASSES
- OBJECT-ORIENTED PROGRAMMING
- INHERITANCE/POLYMORPHISM
- GRAPHICS/JAVA2D
- EXCEPTIONS/MULTITHREADING
- FILES/STREAMS/SERIALIZATION
- NETWORKING/CLIENT/SERVER
- DATA STRUCTURES/COLLECTIONS
- MULTIMEDIA/IMAGES/ANIMATION
- JAVA MEDIA FRAMEWORK
- JAVA SOUND/AUDIO/VIDEO
- STREAMING/SAMPLING/MIDI

## OOD/UML CASE STUDY

- OBJECT-ORIENTED DESIGN
- DESIGN PATTERNS
- CLASS/OBJECT DIAGRAMS
- ATTRIBUTES/OPERATIONS
- STATECHART DIAGRAMS
- ACTIVITY DIAGRAMS
- COLLABORATION DIAGRAMS
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# Deitel Java How To Program 4th Edition

**Jianjun Gao**



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applications for using the top programming languages in library and information settings While there are books and Web sites devoted to teaching programming there are few works that address multiple programming languages or address the specific reasons why programming is a critical area of learning for library and information science professionals There are many books on programming languages but no recent items directly written for librarians that span a variety of programs Many practicing librarians see programming as something for IT people or beyond their capabilities This book will help these librarians to feel comfortable discussion programming with others by providing an understanding of when the language might be useful what is needed to make it work and relevant tools to extend its application Additionally the inclusion of practical examples lets readers try a small app for the language This also will assist readers who want to learn a language but are unsure of which language would be the best fit for them in terms of learning curve and application Languages covered are JavaScriptPERLPHPSQLPythonRubyCC Java This book is designed to provide a basic working knowledge of each language presented case studies which show the programming language used in real ways and resources for exploring each language in more detail

**Programming Cameras and Pan-tilts with DirectX and Java** Ioannis Pavlidis,Vassilios Morellas,Pete Roeber,2003 The rapid spread of PC based cameras has popularized an array of software applications where computer video programming plays a crucial role These applications include smart user interfaces eye controlled video conferencing automated security and surveillance industrial inspection and web cameras This book comes at a critical time when web cameras and cameras in general are becoming ubiquitous and are communicating with computers in one way or another This in turn is fueling demand for developers who are well versed in computer video processing applications This book the first on the topic includes clear explanations of relevant computer vision concepts when introducing video processing coding examples Special attention is given to the development of web based video processing applications through the use of DirectX Java

**Numerical Methods** Laurene V. Fausett,2003 This book present the fundamental numerical techniques used in engineering applied mathematics computer science and the physical and life sciences in a manner that is both interesting and understandable Numerical Analysis with Applications and Algorithms includes comprehensive coverage of solving nonlinear equations of a single variable numerical linear algebra nonlinear functions of several variables numerical methods for data interpolations and approximation numerical differentiation and integration and numerical techniques for solving differential equations This book is useful as a reference for self study

**Encyclopedia of Information Science and Technology, Fourth Edition** Khosrow-Pour, D.B.A., Mehdi,2017-06-20 In recent years our world has experienced a profound shift and progression in available computing and knowledge sharing innovations These emerging advancements have developed at a rapid pace disseminating into and affecting numerous aspects of contemporary society This has created a pivotal need for an innovative compendium encompassing the latest trends concepts and issues surrounding this relevant discipline area During the past 15 years the Encyclopedia of Information Science and Technology

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*Database Processing* David M. Kroenke,2004 This book provides a solid modern foundation in the fundamentals of database processing This new edition proves to be the most comprehensive revision of the book yet with expanded and updated treatment of cutting edge technologies like XML and ADO NET Midwest

**Visual C# 2005** Harvey M. Deitel,Paul J. Deitel,2006 Learn how to build winning C applications start to finish using the Deitels proven methodology and signature Live Code tm Approach This new edition includes extensive use of Visual Studio 2005 s new visual programming tools that tremendously reduce the amount of code programmers need to write in ADO NET and ASP NET applications With these new tools programmers can develop powerful ADO NET and ASP NET applications quickly and easily You ll start with an introduction to C and Visual C 2005 Express After examining methods and arrays the Deitels present an in depth introduction to object oriented programming They introduce powerful exception handling techniques for building mission critical software followed by in depth coverage of C based GUI development Coverage also includes multithreading strings characters regular expressions graphics files and streams and more Next you ll extend your C applications to leverage XML and NET as you master ADO NET database access and ASP NET Web services delivery An integrated optional ATM case study teaches object oriented design with UML tm 2 0 while a new GradeBook case study aids in the discussion of early classes and objects From networking to security the Deitels present hundreds of expert tips on good programming practices avoiding errors maximizing performance testing and debugging For beginning programmers and for developers experienced with traditional languages who want to master C quickly

*C#* Harvey M. Deitel,2003 The complete C introduction specifically designed for professionals Targets the areas of C development professionals need to know first utilizing the Deitels proven LIVE CODE TM approach to rapid mastery Coverage includes basic syntax objects Windows Forms GUIs multimedia file processing ADO NET ASP NET Web services and much more In *C A Programmer s Introduction* a team of world renowned corporate trainers has delivered the first complete introduction to C specifically focused on what professionals need to know Harvey and Paul Deitel whose best selling textbooks have trained millions of developers worldwide teach C using their unique LIVE CODE TM

approach every new concept is presented in the context of a complete working example immediately followed by windows showing exactly what the code does The Deitels begin by introducing the new Microsoft Visual Studio NET integrated development environment and walk developers through the basic techniques of C programming including C control structures methods arrays exceptions and object oriented features such as inheritance and polymorphism They introduce Windows GUI development with NET s new Windows Forms then introduce basic multimedia development and file processing The book contains in depth introductions to database access with ADO NET and to ASP NET development of both conventional Web applications and Web services

**Dr. Dobb's Journal** ,2002    WEB TECHNOLOGY Dr. Jyoti Singh,Prof. Sanjay Purohit ,2025-04-26 MCA SECOND SEMESTER According to the New Syllabus of Dr A P J Abdul Kalam Technical University Lucknow as per NEP 2020    **Books in Print Supplement** ,2002    *The Internet Encyclopedia: G-O* Hossein Bidgoli,2004 The definitive three volume Internet Encyclopedia covers every aspect of the Internet for professionals This up to date compendium offers a broad perspective on the Internet as a business tool an IT platform and a medium for communications and commerce It presents leading edge theory and recent developments as described by global experts from such prestigious institutions as Stanford University and Harvard University and such leading corporations as Microsoft and Sun Microsystems Key features include Detailed cross referencing and extensive references to additional reading More than 200 articles vigorously peer reviewed by more than 800 academics and practitioners from around the world More than 1 000 illustrations and tables for in depth understanding of complex subjects Eleven major subject categories that address key issues in design utilization and management of Internet based systems    *Unified Software Engineering with Java* Georges Gauthier Merx,Ronald J. Norman,2007 Unified Software Engineering with Java is ideal for courses in introductory software engineering Java programming Java software engineering and software development methodology with Java offered in departments of computer science computer and information sciences software engineering information systems and information technology Today s programmers need more than just programming prowess they need to understand object oriented design software quality assurance and software project management This unique text teaches the fundamentals of Java programming in the context of object oriented software engineering and a Unified Process based software development methodology Written with the understanding that the introduction to software engineering and Java can be daunting this text uses illustrative examples and real life applications to make learning easier    **LA Record** ,2002    **Journal of Object-oriented Programming** ,2001    The British National Bibliography Arthur James Wells,2009    *Forthcoming Books* Rose Army,2004

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